

Fronter integration setup guide

Fronter Y12

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New in this manual:

- This is a brand new manual

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Preface

This document covers the new version of the Fronter integration setup tool. The target group is administrators in schools.

The purpose for both tools is to set up user and group imports from external applications to a Fronter building.

Before you set up an integration, you should have read the documentation available in Fronter's integration package that is available from the Fronter support site.

Fronter is continually being developed and improved. Discrepancies may therefore occur between documentation and application. This guide is written for Fronter Y12 in March 2013.

How to get the tool

To have the integration setup tool available (old or new) you need to contact your local service desk to have it activated.

If you already have imports defined in the old "Fronter integration setup" tool you will need to be migrated. Please contact your local service desk to plan the migration.

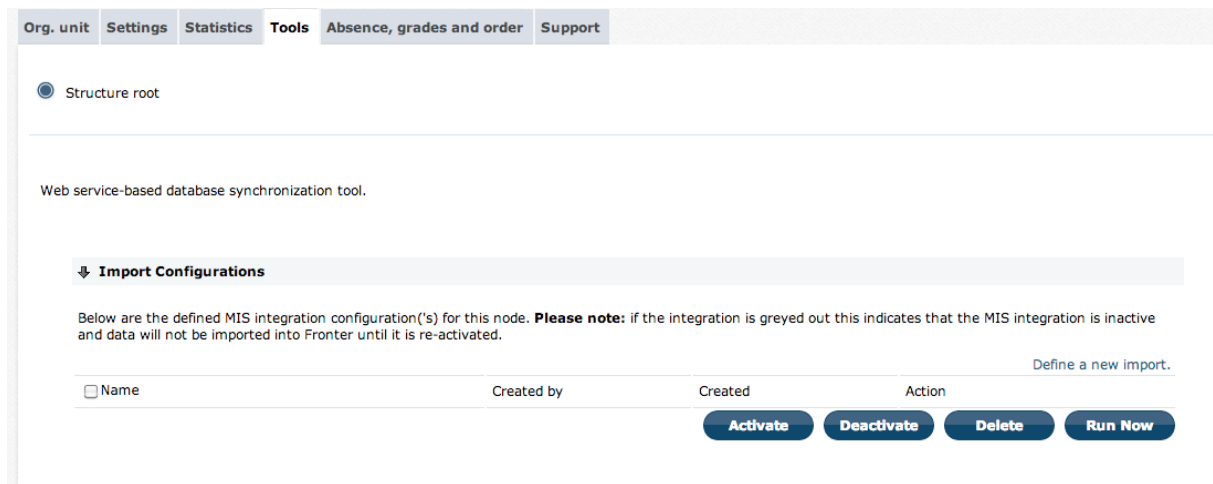
If you have a new building, or a building where no imports are defined you will get the new tool by default.

Where do I find the tool

Admin > Tools > "Fronter integration setup"

Overview

The first screen you see is an overview screen



This is where you can administer imports already created, and create new ones. Options are:

- Activate

This activates a deactivated import by entering it into the nightly scheduling system.

- Deactivate

This deactivates an active import and removes it from the scheduling system

- Delete
- Run now

This enters an integration into the queue system, and it will be run when resources become available. During the day there is usually little activity but it can take some time if there is already a number of integrations running.

Defining a new import

- 1) Click "Define a new import"
- 2) Based on your geographical region the tool gives you an option to choose from a number of templates.

You can of course choose "All regions" to get a list of every template. In addition to region specific templates each region list also contain the more general options:

- a) General MIS import with UAS (A standard import where we can pull or receive and IMS XML file and import it via our User Administration System)

- b) General MIS import without UAS (A standard import where we can pull or receive an IMS XML file and import it.)
- c) Custom template (this allows you to freely choose from all plugins available for the selected region)

For info on regional options, please review region specific documentation.
When you are done setting which region and template you want chose
"Next step"

General

Step 1 of 8 - General

Region selection
United Kingdom

Template selection
General IMS with UAS

IMS Enterprise XML import with User Administration System for creating usernames and SingleSignOn support

Next step »

3) The transfer step

Imports are based on files with data and these files need to be transferred. You can either push files to our server, or have us fetch them. Based on which template you chose you might get an option here, or it might be grey meaning that there is only one option here.

e.g if you have chosen the template "Sims.net template" you won't get any options here, but if you have chosen "Itai xcal template" you will have to choose between:

- a) FronterTransferDummy
- b) FronterTransferFTP
- c) FronterTransferInsecureCurl
- d) FronterTransferScp
- e) FronterTransferSftp

General Transfer

Step 2 of 8 - Transfer

Transfer plugin selection

- ✓ FronterTransferDummyXml
- FronterTransferFtp
- FronterTransferInsecureCurl
- FronterTransferScp
- FronterTransferSftp

« Previous step

Next step »

For more info about that how the different transfer options work please contact the local service desk.

Ftp, scp, sftp and insecure curl are all ways of transferring files.

Based on which option you chose you then have to fill in the info we need to find the file.

The screenshot shows the 'Transfer' step of a configuration wizard. At the top, there are three tabs: 'General', 'Transfer' (which is active), and 'Translator'. Below the tabs, the title 'Step 2 of 8 - Transfer' is displayed. The main content area is titled 'Transfer plugin selection' and shows a dropdown menu with 'FronterTransferScp' selected. Below this, it says 'Generic SCP-based transfer plugin' and 'Configuration options for this plugin:'. Under 'Generic options', there are several input fields: 'School URL', 'Export primary filename', 'Export secondary filename', 'Export username', 'Use public key authentication (requires key)?' (with a checkbox), and 'File name of private key'. At the bottom of the form, there are two buttons: '« Previous step' on the left and 'Next step »' on the right.

4) The translator step

This step does a set of modifications to the file to make it into a format Fronter supports. The format is IMS Enterprise.

Again, you might not have any options here depending on what template you have chosen.

If we are provided an IMS xml file from the customer a dummy translator stage is most often chosen.

An example of a template with options here is General SIF, where you are able to choose between the FronterTranslatorSIF translator and the FronterTranslatorEnterprise translator.

5) Tuner step

This stage performs some final tuning adding Fronter specific extensions to the IMS format file, provisioning users and making additional changes to the data prior to importing. For example this can be what format the username should have, adding rooms etc.

Update all: If you turn on "Update all" it means that every time an import runs it starts from scratch, so all groups, nodes etc. that were created by the import are removed and the structure is rebuilt.

Create new username for person: Should Fronter create a new username and if so which format should it have

Use password generation: If the import should generate password the type of password should be set here.
Set e-mail as login: E-mail is set as username

Step 4 of 8 - Tuner

Tuner plugin selection
CreateUsersTuner

Tuner plugin on user creation
Configuration options for this plugin:

Generic options

Update all ☐

Person

Create new username for person Use external username

User password generation Complex, high security

Set email as login ☐

« Previous step Next step »

6) Importer step

The final details for your import are set here.

Step 5 of 8 - Importer

Importer plugin selection
FrontierImporterImsEnterprise

Generic importer plugin of IMS Enterprise data

Configuration options for this plugin:

Carer

Carer absence access ☐

Carer ILP access ☐

Carer portfolio access ☒

Generic options

Deactivate logins on past users ☐

Group access View (100)

Update existing groups ☐

Create non-existing groups on update request (recstatus=2) ☐

ImportID is unique ☒

Create no-existing rooms ☒

Access level for members in rooms No Access (0)

Tool list ID for rooms Herramientas básicas salas

Update existing rooms ☐

Skip group moves ☒

Update all ☐

Username is unique ☐

Web service is synchronous ☐

Carer:

If your import supports import of caregivers you can set in the import stage if they should be granted access to absence, ILP or portfolio by default.

Generic:

Deactivate login on past users:

if a user is removed from all groups, should they also be disallowed from logging in

Group access:

What access a group should have on itself

Update existing groups:

If a group is set to be created but already exists, should it be updated

Create non-existing groups on update reqstatus (Recstatus = 2):

If a group does not exist and a modify group request is received, should it be created?

Rec status originally means that we will only update existing groups. This setting however makes sure that even if we send records with update, they are created if they do not exist.

ImportID is unique:

states that importid is unique, which is not always the case. In most scenarios it is the combination of importid and importsource that is unique.

Create no-existing rooms:

If we get an update of a room in the xml file and it does not exist, should we create it

Access level for members in rooms:

What access should a user have in a room (read,write,delete,owner,none)

Tool list ID from rooms:

If every generated room should get the same toolbar choose that here.

This can also be set in the file to have different toolbars for different types of rooms.

Update existing rooms:

If we receive a create request for a room that already exists, should we update it?

Skip group moves:

If a group already exists but with another parent than is in the incoming file, this states if we should move it or not.

Username is unique:

If this is on, the import will match incoming data to users in the building based on username.

Web service is synchronous:

If your import uses web services and this option is on, it means that the moment we find that there is a new file available we will import it, and not (only) at the scheduled time.

Email	
Mail default folder	<input type="text"/>
Mail description	<input type="text"/>
Mail domain	<input type="text"/>
Fronter is mail hosting institution	<input type="checkbox"/>
Mail draft folder	<input type="text"/>
Mail sent folder	<input type="text"/>
Mail server directory	<input type="text"/>
Mail trash folder	<input type="text"/>
Mail type	IMAP <input type="button" value="↓"/>
Mail delete action	Move to trash <input type="button" value="↓"/>
Use Fronter password as mail password	<input type="checkbox"/>
Mail server	<input type="text"/>
External mail account access	<input type="checkbox"/>
Mail uses SSL	<input type="checkbox"/>
Person	
Create no-existing users	<input checked="" type="checkbox"/>
Show location	<input type="checkbox"/>
Show organization	<input type="checkbox"/>
Show postal code	<input type="checkbox"/>
Show street address	<input type="checkbox"/>
Show phone number	<input type="checkbox"/>
Tool list ID for users	Menú horizontal (Padres de familia) <input type="button" value="↓"/>
Skin	Classic <input type="button" value="↓"/>
Users must change password	<input type="checkbox"/>
Set email as login	<input type="checkbox"/>
Use tools on top	<input checked="" type="checkbox"/>
Update email on users	<input type="checkbox"/>
Update password on users	<input type="checkbox"/>
Update real name on users	<input type="checkbox"/>
Update existing users	<input checked="" type="checkbox"/>

E-mail:

This will add an e-mail account to the Fronter e-mail client. These are the general settings that can apply to any account.

Person:

Create no-existing users:

if we get an update for a user that does not exist, do we create it

Show location, organization, postal code, street address, phone number:

Should these fields on the contact card be updated

Tool list ID for users:

If all users should have the same personal toolbar input this here. This can also be set in the file to make it possible to let students and staff have different toolbars.

Skin:

The default design chosen. Standard designs from Fronter are Classic and Play.

User must change password:

Set if the user has to change password the first time they log in after being imported. This will only be for newly created users.

Set email as login:

If e-mail is available that will be set as username.

Use tools on top:

Decides placement of personal toolbar.

Update e-mail, password, real name, skins, username, existing users:

Should these fields be updated from the import

Use Fronter mail:

Fronter is the e-mail provider.

7) Finisher

The finisher handles bespoke activity that doesn't fit under any of the other steps.

This can for example be updating passwords for customers using ldap authentication, or to create an export to another identity provider.

8) Global import setting

This step lets you fill in the contact e-mail for the admin, which log level you want (Message is pre-chosen) and give a short, descriptive name for the import.

9) Scheduling

Set up when you want your import to run.

If no time is given the import will run at random time between two times set on the server. (12-05 at our main hosting center)

Press save and you have configured your import.

Log verbosity level: What should be displayed in the log. Recommendation is "Message". The most important ones are severe, critical and fatal.

A severe error will not stop the import, but you might be missing e.g. a student record.

A critical error will stop the import, but it will be a controlled stop so it tidies up inconsistent data.

Fatal means import stopped and there may be data inconsistency.

Version control

Version	Date	Content	Creator
Y12.1	14.03.2013	All	Kristine Ursfjord

QA

Date	Approved by	Comments
25.3.2012	Tapio Janasik	Minor edits